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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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Subjects proposed by the Research Institute in the State Secretariat for Shipping to the State Planning Commission's ZAFI (Central Office of Research and Technology) for technical-scientific cooperation with the USSR.

The Research Institute for Shipping has received the assignment, with 10 August 1953 as date of completion of preparing for transmission to the State Planning Commission's ZAFI (Central Office of Research and Technology) subjects for technical-scientific cooperation with the USSR.

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Proposed Subjects:

1. (a) Planning, organization, and reshipment techniques in inland harbors and seaports.
- (b) Shipping traffic in East Germany is in great need of a comprehensive overhaul. To avoid making poor investments, it is necessary to study Soviet methods and practical experiences regarding the points brought up under headings 1a, 2a, 3a and 4a, so as to apply and introduce them into traffic problems in East Germany.

East Germany will have to provide efficient transshipment centers, not only for inland traffic, as well as build at least one harbor for overseas shipping providing ocean traffic with the most modern transshipment facilities. Since in harbor planning, as in the development of reshipment and dispatching techniques, considerable advances have been made in the last few years, it is necessary to be familiar with the most advanced methods and latest technical achievements before making greater investments, in order to avoid losses through unwise investing. In particular, the questions of harbor planning are to be studied. These questions include such subjects as storage and shed space, the management and efficiency of harbor railways and roads, the type and number of the cranes and other reshipment

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25 YEAR RE-REVIEW

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apparatus, the employment of floor hauling equipment and storage apparatus, organization, and methods for economic accounting in harbor management.

2. (a) The recognition and illumination of inland waterways (for night shipping).
 - (b) In the same way in which the USSR decided to introduce night shipping on her main waterways some time ago, we are faced today with the need for night shipping. Night shipping to be carried out in the course of this year by the General Direction Shipping (Generaldirektion Schifffahrt) is provisional. In the USSR new techniques are being developed for the illumination of inland waterways which will be studied and tested for their applicability to our waterways.
3. (a) Trials and experiments in ship propulsion on inland waterways.
 - (b) In the Soviet Union, practical tests with propelled craft were recently carried out which led to excellent end results. These Soviet results should be studied to spare our repeating these experiments on waterways in East Germany on which conditions are similar to those in the USSR.
4. (a) The reviewing of the waterway construction research institutions of the USSR and the exchange of information with their scientists.
 - (b) The waterway construction research institutions of the USSR play a prominent part in the sphere of waterway construction. For this reason, it is urgent to study methods and practical experiments with models made in East Germany.

The river and sea construction authorities used models in waterway construction experiments for several decades, before the basic plans were conceived. The results of the experiments with models can be enlarged to full scale to show whether the draft is right or whether there are better solutions for the execution of the building projects, e.g. river regulations, locks on coastal protection constructions. In this way, erroneous planning and poor investments are avoided.

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